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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group: 3748

Confirmation No.: 5436

Application No.: 10/612,446

Invention: METHOD AND APPARATUS FOR
ADVANCING AIR INTO A FUEL
REFORMER BY USE OF A
TURBOCHARGER

Applicant: Dennis A. Kramer

Filed: July 2, 2003

Attorney

Docket: 9501-72886

Examiner: Unknown

Certificate Under 37 CFR 1.8(a)

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10/31/03

(Signature)

Karla I. Mays

Karla I. Mays

(Printed Name)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This statement is filed in the application identified above pursuant to 37 C.F.R. § 1.56. This statement supplements an electronic statement filed on October 31, 2003, which cited one hundred eighteen (118) U.S. patent references. No representation is intended that a complete search has been made of the prior art or that no better art references than listed below are available. A copy of each reference is provided for review by the Examiner. The filing of this Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in §1.56(b).

Please charge any fees that might be due in connection with this Supplemental Information Disclosure Statement to our Deposit Account No. 10-0435. An extra copy of this Supplemental Information Disclosure Statement is enclosed for that purpose.

Respectfully submitted,

BARNES & THORNBURG

A handwritten signature in black ink, appearing to read "Shawn D. Bauer", written over a horizontal line.

Shawn D. Bauer

Attorney Reg. No. 41,603

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Sheet 1 of 8

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 9501-72886		SERIAL NO. 10/612,446	
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U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
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FOREIGN PATENT DOCUMENTS							
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	AL	WO 00/26518A1	May 11, 2000	PCT			X
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	AN	WO 01/14698 A1	Mar. 1, 2001	PCT			X
	AO	WO 01/33056 A1	May 10, 2001	PCT			X
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	AR	Jahn, "Physics of Electric Propulsion", pp. 126-130 (1968).
	AS	Belogub et al., "Petrol-Hydrogen Truck With Load-Carrying Capacity 5 Tons", Int. J. Hydrogen Energy, Vol. 16, No. 6, pp. 423-426 (1991).
	AT	Breshears et al., "Partial Hydrogen Injection Into Internal Combustion Engines", Proceedings of the EPA 1 st Symposium on Low Pollution Power Systems and Development, pp. 268-277 (October 1973).
	AU	Chuveliov et al., "Comparison of Alternative Energy Technologies Utilizing Fossil Fuels and Hydrogen Based on Their Damage to Population and Environment in the USSR and East Europe", pp. 269-300.
	AV	Correa, "Lean Premixed Combustion for Gas-Turbines: Review and Required Research", PD-Vol. 33, Fossil Fuel Combustion, ASME, pp. 1-9 (1991).
	AW	Czernichowski et al., "Multi-Electrodes High Pressure Gliding Discharge Reactor and its Applications for Some Waste Gas and Vapor Incineration", pp. 1-13 (1990).
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	AY	Das, "Hydrogen Engines: A View of the Past and a Look into the Future", Int. J. of Hydrogen Energy, Vol. 15, No. 6, pp. 425-443 (1990).

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	BL	WO 96/24441A2	Aug. 15, 1996	PCT			X
	BM	WO 98/45582A1	Oct. 15, 1998	PCT			X
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	BR	Das, "Fuel Induction Techniques for a Hydrogen Operated Engine", Int. J. of Hydrogen Energy", Vol. 15, No. 11, pp. 833-842 (1990).
	BS	DeLuchi, "Hydrogen Vehicles: An Evaluation of Fuel Storage, Performance, Safety, Environmental Implants and Cost", Int. J. Hydrogen Energy, Vol. 14, No. 2, pp. 81-130 (1989).
	BT	Duclos et al., "Diagnostic Studies of a Pinch Plasma Accelerator", AIAA Journal, Vol. 1, No. 11, pp. 2505-2513 (November 1963).
	BU	Feucht et al., "Hydrogen Drive for Road Vehicles - Results from the Fleet Test Run in Berlin", Int. J. Hydrogen Energy, Vol. 13, No. 4, pp. 243-250 (1988).
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	BW	Hall et al., "Initial Studies of a New Type of Ignitor: The Railplug" - Paper 912319, pp. 1730-1746 (1991).
	BX	Houseman et al., "Hydrogen Engines Based On Liquid Fuels, A Review", G.E., Proc., 3 rd World Hydrogen Energy Conf., pp. 949-968 (1980).
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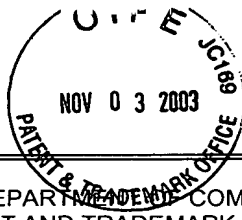
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FOREIGN PATENT DOCUMENTS							
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	DL	DE 19510804A1	Sep. 26, 1996	Germany			X(Abstract Only)
	DM	DE 19757936A1	Jul. 8, 1999	Germany			X(Abstract Only)
	DN	DD 237120A1	Jul. 2, 1986	Germany (East)			X(Abstract Only)
	DO	DE 3048540A1	Jul. 22, 1982	Germany			X(Abstract Only)
	DP	GB 1221317	Feb. 3, 1971	United Kingdom			X(Abstract Only)
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	DR	Rabinovich et al., "Plasmatron Internal Combustion Engine System for Vehicle Pollution Reduction", Int. J. of Vehicle Design, Vol. 15, Nos. 3/4/5, pp. 234-242 (1994).					
	DS	Scott et al., "Hydrogen Fuel Breakthrough with On-Demand Gas Generator", 372 Automotive Engineering, Vol. 93, No. 8, pp. 81-84 (Aug. 1985).					
	DT	Shabalina et al., "Slag Cleaning by Use of Plasma Heating", pp. 1-7.					
	DU	Handbook of Thermodynamic High Temperature Process Data, "Conversion of Hydrocarbons and Production of Reducing Gases in the C-H-O and C-H-O-N Systems", Chapter Nine, pp. 507-547.					
	DV	Varde et al., "Reduction of Soot in Diesel Combustion with Hydrogen and Different H/C Gaseous Fuels", Hydrogen Energy Progress V, pp. 1631-1639.					
	DW	Wang et al., "Emission Control Cost-Effectiveness of Alternative-Fuel Vehicles", Society of Automotive Engineers, Paper 931786, pp. 91-122 (1993).					
	DX	Wilson, "Turbine Cars", Technology Review, pp. 50-56 (February/March, 1995).					
	DY	Kirwan et al., "Fast Start-Up On-Board Gasoline Reformer for Near Zero Emissions in Spark-Ignition Engines", Society of Automotive Engineers 2002 World Congress, Paper No. 2002-01-1011, 14 pgs. (March 4-7, 2002).					
	DZ	Kirwan et al., "Development of a Fast Start-up O Gasoline Reformer for Near Zero Spark-Ignition Engines", Delphi Automotive Systems, pp. 1-21 (2001).					
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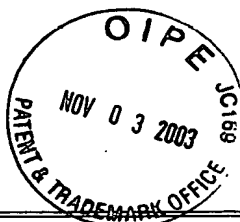
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	EM	GB 2241746A	Sep. 11, 1991	United Kingdom			X
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	ER	Chandler, "Device May Spark Clean-Running Cars", The Boston Globe, p. E1, 2 pgs. (July 12, 1999).
	ES	Simanaitis, "Whither the Automobile?", Road and Track, pp. 98-102 (September 2001).
	ET	Shelef et al., "Twenty-five Years after Introduction of Automotive Catalysts: What Next?" Catalysis Today 62, pp. 35-50 (2000).
	EU	Stokes et al., "A Gasoline Engine Concept for Improved Fuel Economy - The Lean Boost System", International Falls Fuels and Lubricants Meeting and Exposition, SAE Technical Paper Series, 14 pgs. (October 16-19, 2000).
	EV	Tachtler et al., "Fuel Cell Auxiliary Power Unit - Innovation for the Electric Supply of Passenger Cars?", Society of Automotive Engineers, Paper No. 2000-01-0374, pp. 109-117 (2000).
	EW	Bromberg et al., "Experimental Evaluation of SI Engine Operation Supplemented by Hydrogen Rich Gas from a Compact Plasma Boosted Reformer", Massachusetts Institute of Technology Plasma Science and Fusion Center Report, JA-99-32, 9 pgs. (1999).
	EX	Bromberg et al., "Compact Plasmatron-Boosted Hydrogen Generation Technology for Vehicular Applications", Int. J. of Hydrogen Energy 24, pp 341-350 (1999).

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	FM	SU 1519762A1	Nov. 7, 1989	Soviet Union			X(Abstract Only)
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	FR	Bromberg et al., "Emissions Reductions Using Hydrogen from Plasmatron Fuel Converters", Int. J. of Hydrogen Energy 26, pp. 1115-1121 (2001).
	FS	Burch et al., "An Investigation of the NO/H ₂ /O ₂ Reaction on Noble-Metal Catalysts at Low Temperatures Under Lean-Burn Conditions," Applied Catalysis B: Environmental 23, pp. 115-121 (1999).
	FT	Costa et al., "An Investigation of the NO/H ₂ /O ₂ (Lean De-NO _x) Reaction on a Highly Active and Selective Pt/La _{0.7} Sr _{0.2} Ce _{0.1} FeO ₃ Catalyst at Low Temperatures", Catalysis 209, pp. 456-471 (2002).
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	FW	Koebel et al., "Selective Catalytic Reduction of NO and NO ₂ at Low Temperatures", Catalysis Today 73, pp. 239-247 (2002).
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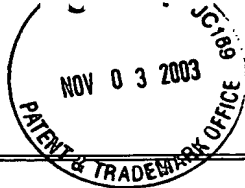
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